

DIRECTIONAL ANTENNA PHYSICAL LAYER STEERING FOR WLAN

ABSTRACT OF THE DISCLOSURE

5

10

A technique for steering a directional antenna such as may be used in a Wireless Local Area Network (WLAN) device. The technique detects signal parameters during reception of short sync pulses in the very beginning portion of a Packet Protocol Data Unit (PPDU) frame. As a result, the antenna can be steered to an optimum direction for reception prior to receiving other portions of a preamble that may be needed to acquire carrier signal phase and frequency.